BRUHAT BANGALORE MAHANAGARA PALIKE
Executive Engineer Project Division Yelahanka
WORK SLIP-1: FORM PWG-45t

Name of work : Construction of Watch Tower in NES Circle of Yelahanka sub division.
Estimate cost:- 100.00 Lakhs
Amount put to Tender in Rs : 83.43Lakhs
Work Order No & Date: EE (Project)/Ynk zone/WO/058/2022-23 Dated:05-12-2022
Agency: G.S Vinod, M/s Inner Space

Sl. No.	Description	Unit	Rates as per Schedule-B			Total Qty as per Executed	Qty. Executed upto 125%			Qty. above 125%			Actual Amount	Amount Excess over the approved amount(Work Slip Amount)	Remarks
			Qty	Rate	Amount		QTY	Rate	Amount	QTY	Rate	Amount			
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. .iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar	Cum	19.58	309.80	6065.85	28.08	24.48	309.80	7582.32	3.61	315.24	1136.44	8718.76	2652.91	As per site condition
3	Easing of shutters of door. including cost of materials, labour, HOM complete as per specifications.	Nos	5.00	93.58	467.88	6.00	6.00	93.58	561.45	0.00	93.58	0.00	561.45	93.58	As per site condition
8	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.	Cum	60.37	103.57	6252.46	296.41	75.46	103.57	7815.58	220.95	104.72	23136.71	30952.28	24699.82	As per site condition
12	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregate @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted in foundation including cost of all materials, labour HOM of machinery, curing complete as per specifications with all lead and lift and directions of the Engineer-In-charge of the work.	Cum	19.73	5555.48	109609.57	42.94	24.66	5555.48	137011.96	18.28	6274.28	114679.75	251691.71	142082.14	As per site condition
17	Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters,	Cum	11.74	6465.79	75908.43	42.82	14.68	6465.79	94885.53	28.15	7081.47	199316.18	294201.72	218293.29	As per site condition

	...ing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thicknes including cost of all materials, labour complete as per specifications and direction of the	Sqm	40.80	383.39	15642.19	226.62	51.00	383.39	19552.74	175.62	383.39	67329.39	86882.13	71239.94	As per site condition
22	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of	MT	2.57	69475.72	178552.60	5.70	3.21	69475.72	223190.75	2.48	91387.22	226888.18	450078.94	271526.33	As per site condition
	Total Constrution Cost				**8426974.26**				**919508.33**			**632486.66**	**1551994.99**	**730588.01**	

SANCTIONED ESTIMATE AMOUNT		10000000.00
SANCTIONED TENDER AMOUNT		8426974.26
WORK SLIP AMOUNT		730588.01

Assistant Engineer
Project Division Yelahanka

Asst.Executive Engineer
Project Division Yelahanka

Executive Engineer
Project Division Yelahanka

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer Project Division Yelahanka

FORM OF EXTRA ITEM RATE LIST IN FORM NO. P.W.G.71.

Name of work : Construction of Watch Tower in NES Circle of Yelahanka sub division.

Estimate cost:- 100.00 Lakhs

Amount put to Tender in Rs : 83.43Lakhs

Work Order No & Date: EE (Project)/Ynk zone/WO/058/2022-23 Dated:05-12-2022

Agency: G.S Vinod, M/s Inner Space

Sl No	Description of work	Unit	As per qty	Rate in Rupees	Amount(Rs)	Whether the items are alternative to the item in the tender, whether these are additional items or sometimes in Accepted tender	Whether the extra items are included in the sanctioned estimate	How the extra cost of the item is proposed to be met	Whether the item is indicated in the SR or Data Rate	Remarks
1	2	3	4	5	6	7	8	9	10	11
E-1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge In cement mortar	Cum	30 16	876 58	26437 62	Additional item		Met out from the overall savings	V-II,Page No-183, Item No-19 17 1	
E-2	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	43 09	5946 07	256201 38	Additional item		Met out from the overall savings	V-II,Page No-9, Item No-5 4	
E-3	Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications	Sqm	49 25	2647 51	130396 63	Additional item		Met out from the overall savings	V-II,Page No-64, Item No-9 29	
E-4	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour, rolling, water, all materials, cess & all other	Cum	61 15	446 62	27311 16	Additional item		Met out from the overall savings	V-II,Page No-7, Item No-1 8	

E-5	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.	Sqm	59.22	1178.77	69806.82	Additional item		Met out from the overall savings	V-II,Page No-17, Item No-6.33	
E-6	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications	Sqm	108.90	2667.51	290491.95	Additional item		Met out from the overall savings	V-II,Page No-64, Item No-9.30	
E-7	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge	Sqm	1.62	4066.26	6587.34	Additional item		Met out from the overall savings	V-II,Page No-75, Item No-11.5.1	
E-8	Providing and fixing M.S. angle 50x50x5 mm to act as nosing with lugs of M.S. flat 10x5 mm, 10 cm long, forked at end 60cm apart (minimum three lugs to be provided), including necessary welding and applying a priming coat of approved primer on exposed surface etc. complete.	kg	3611.89	124.43	449434.45	Additional item		Met out from the overall savings	V-II,Page No-60, Item No-9.8	
E-9	Crawler mounted Crane 35 t capacity	Hr	150.00	4559.24	683886.15	Additional item		Met out from the overall savings	V-II,Page No-A-44, Item No-21	

E-10	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixingaccessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usagecharges of machinery complete as per specifications and as per directions of the Engineer-in-Charge..(V-II, P.No.83, I.No.11.28 of PW, PWD SR 2021-22)	Kg	633.79	555.50	352071.79	Additional item		Met out from the overall savings	V-II,Page No-83, Item No-11.28	
E-11	Providing and fixing of Ornamental Granite Pillar of overall height of 800mm 200x200sqmm, Octagonal to a height of 820mm and carving design at bottom as shown in drawing .and 280mm respectively as per the approved Design and drawing including quarry cutting to the required size and transporting the same from quarry to work spot\ including loading and un loading with all lead and lift etc. complete as per design and drawing. The work shall be carried out as per design and drawing. Firmly fixed to the ground by means of properly designed foundation of size 300mm x 300mm x 300mm in 1:1.5:3 ratio cement concrete The work shall be carried out as per the engineers in charge of the work etc. and completion of the work as per directions of the Engineer in charge of the work	Nos	21.00	12500.00	262500.00	Additional item		Met out from the overall savings	Data Rate	

E-12	Providing and fixing Glass fiber Reinforcement (GFRC) made up of Alkali Resistant Glass fiber which has high durability in cement composition Na20-Ca0-Zr02-Si02(Zirconium 16% min) diameter 13 micro mtr. Fiber Length varying between 18 to 20mm long specifically produced for use in GFRC and complying with PCI-MNL-130. Fixing to existing steel frame work used for purely decorative applications such as window trims, decorative columns exterior friezes or limestone like wall panels and with finishing painting including cost of materials, labour usage charges of machinery and centering works complete as per specification and as per directions of the Engineer-in-charge.	Nos	92.80	24000.00	2227200.00	Additional item		Met out from the overall savings	Data Rate	
E-13	Bell for Clock tower bronze sculpture with following specification a) Making of clay modeling as per the approved schematic sketch b) Making of POP negative mould as per the approved clay model c) Making of FRP (Fiber Reinforced Plastic) casting master pattern d) Making of Bronze Metal (88% of copper and 12% of tin) casting by ABC mould by silica sand process with all necessary melting process materials e) Making of hand carving/ Chiseling grinding, brazing, antic bronze oxidizing by acid process including cost of bronze ornamental finishing f) Imported PU Poly utherin lacqor coating g) The height of the bell about 4.5 feet height and dia of 3.5 feet supported on Bell yoke or headstock,with sound bow, Clapper, lip etc., with a weight of about 140.00 kgs	Nos	1.00	350000.00	350000.00	Additional item		Met out from the overall savings	Data Rate	

E-14	4' 6" Clock with back light, Roman digits, with front glass 1.Clock dial design .... : Roman number dials with central Art work as per your selected clock dials. The numbers will be black vinyl cut letters placed on Food Grade Acrylic Imported Sheet of 5mm Thickness. We will produce the clock dial exactly as per your selected design.2. Machine for the tower clocks..... ..... : We will provide GPS based Machine for the tower clock so that the clocks will work with satellite time signals and will display IST Indian Standard Time. 3. Hands for the clock dials : We will provide One No. Hour hand and	Nos	4.00	435000.00	1740000.00	Additional item		Met out from the overall savings	Data Rate	
	Total				**6872325.29**					

SANCTIONED ESTIMATE AMOUNT	10000000.00
SANCTIONED TENDER AMOUNT	8426974.26
EIRL AMOUNT	6872325.29

Assistant Engineer
Project Division Yelahanka

Asst. Executive Engineer
Project Division Yelahanka

Executive Engineer
Project Division Yelahanka

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ